



Date of report 10 Feb 2020

## Reported case interaction between **Darunavir** and **Carbamazepine**

### Drugs suspected to be involved in the DDI

Victim

**Darunavir**

Daily Dose

800 (mg)

Dose adjustment performed

No

Administration Route

Oral

Start date

March 22, 2019

End date

Ongoing

Perpetrator

**Carbamazepine**

Daily Dose

200 (mg)

Dose adjustment performed

No

Administration Route

Oral

Start date

Aug. 13, 2019

End date

Oct. 21, 2019

## Complete list of drugs taken by the patient

Antiretroviral treatment

Darunavir/Cobicistat/Emtricitabine/Tenofovir-AF

Complete list of all comedications taken by the patient, included that involved in the DDI

lormetazepam 2mg

## Clinical case description

Gender

Female

Age

52

eGFR (mL/min)

>60

Liver function impairment

No

Description

52 years-old woman, consumer of alcohol with HIV infection since 2014 and 2 previous episodes of treatment abandonment (previously treated with non-nucleoside analogues and protease inhibitors). In March of 2019, she came to our unit and started treatment with DRV/c/FTC/TAF. Several months after achieving undetectability, the patient had an HIV viral load of 420 copies/ml in October 2019. The patient recognized that she had started treatment for alcohol abstinence in a specialized center where carbamazepine had been prescribed. In our Unit, carbamazepine was stopped, and one month later the patient was undetectable again.

## Clinical Outcome

## Loss of efficacy

### Drug Interaction Probability Scale (DIPS)

Score

**4 - Possible**

### Editorial Comment

Coadministration is contraindicated due to the potential for loss of therapeutic effect and eventual development of resistance. Based on theoretical considerations carbamazepine is expected to decrease darunavir and/or cobicistat and/or tenofovir alafenamide plasma concentrations (CYP3A and/or P-gp induction). Symtuza Summary of Product Characteristics Janssen-Cilag Ltd, July 2018.

### University of Liverpool Recommendation

- These drugs should not be coadministered

For more information [click here](#)